

AMENDMENTS TO THE SPECIFICATION

Please add the following new paragraph on page 5, after line 3:

FIG. 9 is a cross-section of a sponge prophy in another embodiment of the invention.

Please replace the paragraph at page 5, line 15 with the following amended paragraph:

The sponge prophy as shown in FIGs. 1~3 is mounted on the dental rotary instrument as shown in FIG. 8. The hydrophilic sponge can be hydrophilic latex sponge, or polyurethane sponge, and the hydrophilic latex sponge or the hydrophilic polyurethane sponge comprises a grindstone of $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$ or $\text{Ca}_{10}(\text{PO}_4)_6\text{F}_2$ as a wet grindstone sponge. The core 1 comprises an exterior wall 1a and a hollow interior region 1b. The outside of the core is nonwoven to maintain the grindstone and has hydrophilicity and flexibility. The outside of the sponge covering the core is a three-dimensionally continuous, porous film conducting a solution immersing in a flexible polishing agent. Sponge prophy 13 contacts the surface of the tooth, and the switch 12 of the dental rotary instrument is turned on. Sponge prophy 13 is immersed in water prior to the operation and agents such as various medicaments, sweeteners, fragrances, dental coatings are dissolved on the contact surfaces between the teeth and the operating polishing chip, providing prevention periodontal diseases and dental caries, aromatherapy and refreshment effects, efficiency of cleaning, polishing, and burnishing, and inhibition of heat generated by friction.

Please replace the paragraph at page 7, line 3 with the following amended paragraph:

-- In addition, the hollow portion of core 1 as shown in FIG. 7 can be filled with agents such as various medicaments, a sweetener, a fragrance, or a coating agent. Hydrophilic grindstone sponge 2 is immersed in water prior to the operation, and the agents can be dissolved and released through pores 8 to the surface of hydrophilic grindstone sponge 2, providing various medical or aromatherapeutic effects. In the embodiment shown in FIG. 9, the hollow portion of core 1 is filled with a water-retaining material 14, providing dissipation of heat

Appl. No. 10/524,991
Examiner: MAI, HAO D, Art Unit 3732
In response to the Office Action dated July 1, 2008

Date: December 1, 2008
Attorney Docket No. 10114961

generated by friction, and prolonging the effect of the foaming agent, the sweetener, the fragrance, the medicament for preventing periodontal diseases and dental caries, or the coating agent since the amount of these agents is increased.